Application Data Sheet:

Application Information

| Application number:: | ТВА |
|----------------------------------|----------------------------|
| Filing Date:: | 06/30/03 |
| Application Type:: | Regular |
| Subject Matter:: | Utility |
| Suggested Classification:: | |
| Suggested Group Art Unit:: | |
| CD-ROM or CD-R?:: | |
| Number of CD disks:: | |
| Number of copies of CDs:: | |
| Sequence submission?:: | CD |
| Computer Readable Form (CRF)?:: | No |
| Number of copies of CRF:: | |
| | USE OF SHUNT RESISTOR WITH |
| Title:: | LARGE RA PRODUCT TUNNEL |
| | BARRIERS |
| Attorney Docket Number:: | HSJ920030019US1 |
| Request For Early Publication?:: | No |
| Request For Non-Publication?:: | No |
| Suggested Drawing Figure:: | 4 |
| Total Drawing Sheets:: | 3 |
| Small Entity?:: | No |
| Latin name:: | |
| Variety denomination name:: | |
| Petition included?:: | No |
| Petition Type:: | |
| Licensed US Govt. Agency:: | |

| Contract or Grant Numbers:: | |
|----------------------------------|-----|
| Secrecy Order in Parent Appl.?:: | Yes |

Applicant Information

| Applicant Authority Type:: | Inventor |
|-----------------------------------------|------------------------|
| Primary Citizenship Country:: | USA |
| Status:: | Full Capacity |
| Given Name:: | Tsann |
| Middle Name:: | |
| Family Name:: | LIN |
| Name Suffix:: | |
| City of Residence:: | Saratoga |
| State or Providence of Residence:: | CA |
| Country of Residence:: | USA |
| Street of mailing address:: | 19686 Via Grande Drive |
| City of mailing address:: | Saratoga |
| State or Province of mailing address:: | CA |
| Country of mailing address:: | USA |
| Postal or Zip Code of mailing address:: | 95070 |

| Inventor | |
|---------------|-----------------------------------|
| Switzerland | |
| Full Capacity | |
| Daniele | |
| | |
| MAURI | |
| | |
| | Switzerland Full Capacity Daniele |

| City of Residence:: | San Jose |
|----------------------------------------|--------------------|
| State or Providence of Residence:: | CA |
| Country of Residence:: | USA |
| Street of mailing address:: | 1163 Scarsdale Ct. |
| City of mailing address:: | San Jose |
| State or Province of mailing address:: | CA |
| Country of mailing address:: | USA |
| Postal or Zip Code of mailing | 95120 |
| address:: | |

| Applicant Authority Type:: | Inventor |
|----------------------------------------|------------------------|
| Primary Citizenship Country:: | USA |
| Status:: | Full Capacity |
| Given Name:: | Neil |
| Middle Name:: | |
| Family Name:: | SMITH |
| Name Suffix:: | |
| City of Residence:: | San Jose |
| State or Providence of Residence:: | CA |
| Country of Residence:: | USA |
| Street of mailing address:: | 324 Birch Ridge Circle |
| City of mailing address:: | San Jose |
| | San Jose |
| State or Province of mailing address:: | CA |
| Country of mailing address:: | USA |
| Postal or Zip Code of mailing | 95123 |
| address:: | |

Correspondence Information

| Correspondence Customer Number:: | 35987 |
|-----------------------------------------|--------------------------|
| Name:: | Joseph P. Curtin, L.L.C. |
| Street of mailing address:: | 1469 N.W. Morgan Lane |
| City of mailing address:: | Portland |
| State or Province of mailing address:: | OR |
| Country of mailing address:: | USA |
| Postal or Zip Code of mailing address:: | 97229-5291 |
| Phone number:: | 503-296-8373 |
| Fax number:: | 503-297-0452 |
| E-mail address:: | josephpcurtin@aol.com |

Representative Information

| Representative | | |
|-------------------|-------|--|
| Customer Number:: | 35987 | |

Domestic Priority Information

| Application:: | Continuity Type:: | Parent Application:: | Parent Filing Date:: |
|---------------|-------------------|----------------------|-----------------------|
| | Continuation of | | |
| | Continuation of | | |
| | Continuation of | | |

Foreign Priority Information

| Country:: | Application number:: | Filing Date:: | Priority Claimed:: |
|-----------|----------------------|---------------|--------------------|
| | | | |

| | ·— | |
|-----|------|-----|
| | | |
| j | | |
| ì | | |
| ľ | 1 | |
| | 1 | |
| | | l i |
| | | 1 |
| 1 | | |
| 1 | | l l |
| | | |
| I . | | |
| | l I | l I |
| | | |
| | | |

Assignee Information

| Assignee name:: | Hitachi Global Storage Technologies |
|-----------------------------------------|-------------------------------------|
| Street of mailing address:: | Locatellikade 1 |
| City of mailing address:: | Amsterdam |
| State or Province of mailing address:: | |
| Country of mailing address:: | The Netherlands |
| Postal or Zip Code of mailing address:: | 1076 AZ |